

TATARSKIY, V.I.; GERTSENSHTEYN, M.Ye.

Propagation of waves in a medium with strong fluctuations
of the refractive index. Zhur. eksp. i teor. fiz. 44 no.2:
676-685 F '63. (MIRA 16:7)

1. Institut fiziki atmosfery AN SSSR.

DENISOV, N.G.; TATARSKIY, V.I.

Average diffraction pattern in the focal plane of a lens. Izv. vys.
ucheb.zav.; radiofiz. 6 no.3:488-494 '63. (MIRA 16:9)

1. Nauchno-issledovatel'skiy Radiofizicheskiy institut pri Gor'
kovskom universitete.
(Lenses) (Diffraction)

ACCESSION NR: AP4039731

S/0141/64/007/002/0306/0312

AUTHORS: Kon, A. I.; Tatarskiy, V. I.

TITLE: Flicker of sources with finite angular dimensions

SOURCE: IVUZ. Radiofizika, v. 7, no. 2, 1964, 306-312

TOPIC TAGS: light propagation, light refraction, diffraction mechanism, refractive index, statistical analysis, star, planet, plane wave, correlation

ABSTRACT: The fluctuation of light intensity of remote sources with finite angular dimensions, located outside the refracting atmosphere, is analyzed by determining the correlation of the fluctuation of the amplitudes of plane waves coming from different points on the remote planet or star. Diffraction effects are taken into account. The correlation angle is found to be of the same order of magnitude as for a plane wave. The expression obtained for the correlation

Card

1/2

ACCESSION NR: AP4039731

coefficient is used to estimate the flicker of planets and it is pointed out, in contrast with the findings of M. A. Ellison and H. Seddon (Mon. Not. R. Astr. Soc. v. 112, 73, 1952), that the intensity of planet flicker is determined not by the angular dimensions of the inhomogeneities in the atmosphere, but by the square root of the ratio of the wavelength to the thickness of the refracting medium. Orig. art. has: 3 figures and 13 formulas.

ASSOCIATION: Institut fiziki atmosfery* AN SSSR (Institute of the Physics of the Atmosphere, AN SSSR)

SUBMITTED: 11May63

DATE ACQ: 19Jun64

ENCL: 00

SUB CODE: OP, AA

NR REF SOV: 001

OTHER: 001

Card 2/2

L 62108-65 BNT(1)/BAG(v)/BDC/BW(1) 20-4/10-8/20-4/200-2/1985/21-1
ACCESSION NO. 10501647

AUTHORS: Malkevich, M. S.; Tatarakiy, V. I.

Source: Kosmicheskiye Issledovaniya, v. 11, no. 3, 1985, pp. 227-256

TOPIC TERMS: radiation measurement; cosmic rays; temperature

ABSTRACT: A method is proposed for determining the temperature of the surface of a celestial body from the data of measurements of the intensity of cosmic radiation.

REF ID: A65015672

ASSOCIATION: none

SUBMITTED: 04/19/64

NO. OF PAGES: 02

ENCL: 00

OTHER: 011

SUB CODE: ES, NF

.../PUB-10 ... AT ...
... 1965/048 ... 1965 ...

AUTHOR: Ryzhov, Yu. A.; Tamoykin, V. V.; Tatarakiy, V. I.

TITLE: Spatial dispersion of inhomogeneous media

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 48, no. 2, 1965, 656-665

TOPIC TAGS: spatial dispersion, inhomogeneous medium, dielectric constant, inhomogeneous plasma, plasma oscillation

ABSTRACT: A spatial-dispersion mechanism connected with random inhomogeneities of a medium is investigated. An expression is obtained for the effective dielectric constant in the case of weak scattering. The results are generalized the results obtained earlier by E. A. Kaner (Izv. vyssh. uch. zap., 1964, no. 2, 127, 1964) without account of spatial dispersion. The calculation is performed for a plasma with random inhomogeneities of the dielectric constant.

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L 42150-65

ACCESSION NR: AP5006515

1967 1964 with some of the results of the latter corrected in the present paper).
The results of the present paper do not give rise to

resonance) is also considered. The title of the paper is "Ginzburg and
Ginzburg for discussions and valuable comments." Orig. art. has: 46 formulas.

ASSOCIATION: Radiofizicheskiy institut Gor'kovskogo gosudarstvennogo universiteta
(Radiophysics Institute, Gor'kiy State University); Institut fiziki atmosfery
Akademii nauk SSSR (Institute of Atmospheric Physics, Academy of Sciences SSSR)

DATE RECEIVED: 11Aug61

ENCL: 00

SUB CODE: ME, EM

NR REF SOV: 007

OTHER: 000

Card 2/2

KUCHEROV, N.I., kand. fiz.-mat. nauk, otv.red.[deceased];
MEL'NIKOV, O.A., red.; OBUKHOV, A.M., red.; DEMIDOVA,
A.N., red.; KOLCHINSKIY, I.G., red.; TATARSKIY, V.I.,
red.

[Optical instability of the earth's atmosphere] Opti-
cheskaia nestabil'nost' zemnoi atmosfery. Moskva,
Nauka, 1965. 170 p. (MIRA 18:7)

1. Akademiya nauk SSSR. Astronomicheskii sovet. 2. Chlen-
korrespondent AN SSSR (for Mel'nikov, Obukhov).

L 2085-66 ~~EWA(k)/EFD/EST(1)/EED(k)-2/T/ESP(k)/EWA(m)-2/EWA(h)~~ SCPE/LJP(c) 14
ACC NR: AP5026701 SOURCE CODE: UR/0141/65/008/005/0870/0875

AUTHOR: Kon, A. I.⁴⁴; Tatarskiy, V. I.⁴⁴

ORG: Institute of Physics of the Atmosphere, AN SSSR⁴⁴ (Institut fiziki atmosfery AN SSSR) 70 B

TITLE: Fluctuations of space-bounded light beam parameters in a turbulent atmosphere

SOURCE: IVUZ. Radiofizika, v. 8, no. 5, 1965, 870-875

TOPIC TAGS: laser, laser beam, beam propagation, beam broadening, turbulent atmosphere 25,44

ABSTRACT: Fluctuations in the phase, amplitude, and effective broadening of a space-limited light beam propagating in a turbulent atmosphere are calculated theoretically. An approximate solution of the problem is obtained by means of the smooth perturbations method (after Rytov-Obukhov) for plane monochromatic waves. Unlike the problem of fluctuations in an infinite plane wave, two new dimensionless parameters, $g \sim \lambda L/a^2$ and $\theta \sim \lambda L/l_0 a$, are shown to exist, where λ is the wavelength, L is the distance traversed by the light in a turbulent medium, a is the beamwidth, and l_0 is the intrinsic turbulence scale. The effective beam broadening for any θ when $g \ll 1$ is compared with the corresponding experimental values. From data published elsewhere (W. R. Hinchman and A. L. Buck, Proc. IEEE, 52, 305, 1964) for $L = 15$ km, the value of C_n (structural constant) was calculated to be $\sim 0.02 \times 10^{-6} \text{ cm}^{-1/3}$, and is

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UDC: 535.3:551.51

L 2085-66

ACC NR: AP5026701

in good agreement with the usual values for this constant obtained in other experiments (V. I. Tatarskiy, Izv. VUZov, Radiofizika, 3, 551, 1960). The agreement in the data makes it possible to attribute the broadening of the laser beam to atmospheric turbulence. Orig. art. has: 20 formulas. [YK]

SUB CODE: OP, ES/ SUBM DATE: 15Feb65/ ORIG REF: 003/ OTH REF: 001/ ATD PAGES: 4123

Card 2/2

TATARSKIY, V.I., doktor fiz.-matem. nauk

Colloquium on the microstructure of the atmosphere held in
Moscow. Vest. AN SSSR 35 no.9:87 '65. (MIRA 18:9)

TATARSKIY, V.I.

Strong fluctuations of the parameters of a light wave in
a turbulent medium. Zhur. eksp. i teor. fiz. 49 no.5:1581-1590
N '65.

(MIRA 19:1)

1. Institut fiziki atmosfery AN SSSR.

RYZHOV, Yu.A.; TAMOYKIN, V.W.; TATARSKIY, V.I.

Space dispersion of inhomogeneous media. Zhur. eksp. i teor.
fiz. 48 no.2:656-665 F '65. (MIRA 18:11)

1. Radiofizicheskiy institut Gor'kovskogo gosudarstvennogo univer-
siteta i Institut fiziki atmosfery AN SSSR.

TATARSKIY, V.I.

International colloquium on the microstructure of the atmosphere and
the effect of turbulence on the propagation of radio waves. Izv. AN
SSSR. Fiz. atm. i okeana 1 no.10:1103-1113 0 '65. (MIRA 18:10)

L 21027-66 FSS-2/ENT(1)/FCC IT/GS/GH

ACCESSION NR: AT5023571

UR/0000/65/000/000/0104/0111

AUTHOR: Malkovich, M. S.; Tatarskiy, V. I.

12
BT1

TITLE: Using terrestrial radiation measurements made from artificial satellites to determine atmospheric temperature and humidity

SOURCE: Vsesoyuznaya konferentsiya po fizike kosmicheskogo prostranstva. Moscow, 1965. Issledovaniya kosmicheskogo prostranstva (Space research); trudy konferentsii. Moscow, Izd-vo Nauka, 1965, 104-111

TOPIC TAGS: planetary radiation, atmospheric temperature, atmospheric humidity, spectrographic analysis, gas spectroscopy, satellite data analysis

ABSTRACT: An analytical method is developed for determining the vertical distribution of temperature and humidity in the atmosphere on the basis of spectral measurements made from artificial satellites of radiation emanating from the earth in the regions of carbon dioxide and water vapor absorption bands. Since the concentration of CO₂ in the atmosphere is known, radiation in the carbon dioxide band is used for determining the vertical distribution of temperature $T(p)$ without regard to the overlap of the CO₂ and H₂O bands (p is pressure at standard levels). The $T(p)$

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ACCESSION NR: AT5023571

obtained in this way from radiation in the H_2O absorption band may be used to determine the vertical distribution of specific humidity $\bar{q}(p)$, after which $T(p)$ is determined more accurately with consideration given to the overlap in the bands of both gases in the 15μ range. It is assumed that static characteristics of the vertical structure of temperature and humidity fields are used in solving the problem. The differential measurement method should be used for determining deviations of the lapse rate and vertical humidity profiles from the mean distributions of $T(p)$ and $\bar{q}(p)$. The radiation of a black body should be taken as a comparison standard equal to terrestrial radiation at the $T(p)$ and $\bar{q}(p)$ over the measurement region in a given time interval. To determine $T(p)$ for the troposphere with an error which is 3-5 times greater than the error in measurement of the radiation intensity I_v emanating from the upper boundary of the atmosphere in a given direction, it is sufficient to measure this radiation in two or three suitably selected intervals of the 15μ CO_2 absorption band, provided the transmission coefficient of the atmosphere is known with perfect accuracy. To reduce this error factor to 2-3, I_v must be measured in 10-12 spectral intervals. The error is somewhat greater for use of a similar method in determining $q(p)$ in the troposphere: the error exceeds the I_v measurement in the 6.3μ absorption band for water vapor by a factor of 5-8 when three spectral intervals are selected, and by a factor of 2-5 when eight intervals are used. It is

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ACCESSION NR: AT5023571

assumed that deviations of the lapse rates and vertical humidity profiles from the average values must be kept within 30% of the rms deviation (this means 2-3° in temperature and 0.5-1 g·kg⁻¹ in humidity when the temperature of the underlying surface is 300°K, and its humidity is 3-5 g·kg⁻¹). In this case, the differences between true terrestrial radiation and that of the standard should be measured with an error of less than 5%, and the radiation of the standard should be recorded with an error of no more than 0.1%. Orig. art. has: 6 figures, and 17 formulas. [14]

ASSOCIATION: none

SUBMITTED: 02Sep65

ENCL: 00

SUB CODE: ES, 5'

NO REF SOV: 004

OTHER: 005

ATD PRESS: 4106

Card 3/3 BK

L 27858-66 EWT(1) IJP(c) WW/GG/RB

ACC NR: AP6000218

SOURCE CODE: UR/0056/65/049/005/1581/1590

AUTHOR: Tatarskiy, V. I.ORG: Institute of Physics of the Atmosphere, Academy of Sciences SSSR (Institut fiziki atmosfery Akademii nauk SSSR)

TITLE: Strong fluctuations of light-wave parameters in a turbulent medium

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 49, no. 5, 1965, 1581-1590

TOPIC TAGS: light transmission, atmospheric turbulence, dielectric constant, electromagnetic wave dispersion, atmospheric optic phenomenon

ABSTRACT: The author investigates amplitude and phase fluctuations of a plane monochromatic wave propagating in a turbulent medium with random fluctuations of the dielectric constant. It is assumed that the fluctuation frequencies of the dielectric constant are small compared with the wave frequency and that the wavelength is small compared with the minimum dimensions of the inhomogeneities. The amplitude fluctuations are assumed to be strong, so that an approach different from perturbation theory is necessary, since the conditions for the validity of the smooth-perturbation method previously employed by others (S. M. Rytov, Izv. AN SSSR Seriya fiz. v. 1, 223, 1937) are not satisfied in the case of strong fluctuations. The region in which perturbation theory is not valid is determined, and a solution applicable to strong fluctuations is obtained by taking cumulative distortions of an incident wave into account. The results explain the saturation of amplitude fluctuations observed ex-

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L 27858-66

ACC NR: AF6000218

perimentally with increasing distance traversed by a wave in a turbulent medium.
Orig. art. has: 2 figures and 39 formulas. [02]

SUB CODE: 20/
04 SUBM DATE: 08Jun65/ ORIG REF: 007 A.T.D PRESS 4167

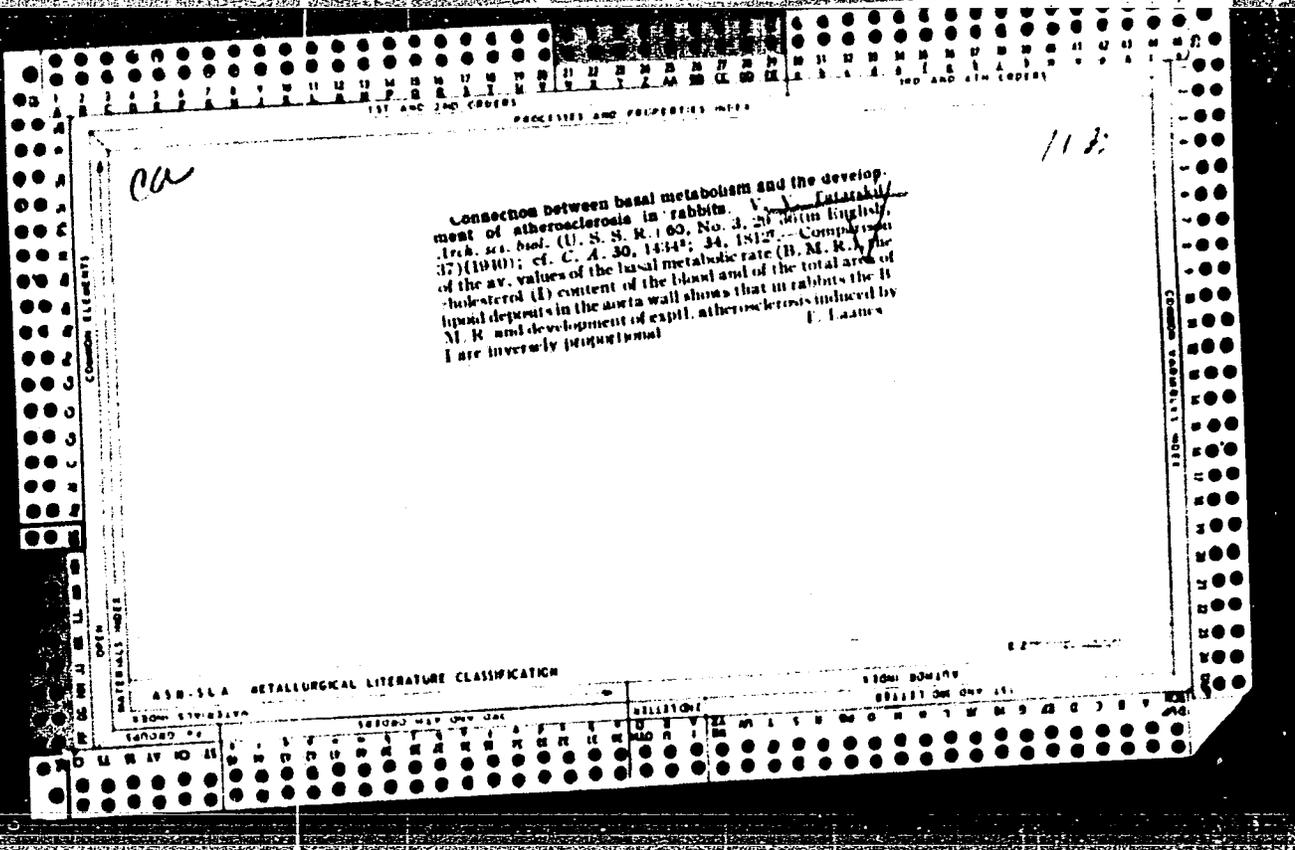
Card 2/2 *lo*

TATARSKIY, Y. I.

BAKIROV, A.A., doktor nauk, redaktor; VASSOYEVICH, N.B., doktor nauk;
VEBER, V.V., doktor nauk; DVALI, M.F., doktor nauk; DOBRYANSKIY,
A.V., doktor nauk; MAYMIN, Z.L., doktor nauk; MIRCHINK, M.V.,
redaktor; ANDREYEV, P.F., kandidat nauk; AYZENSHTADT, G.Ye.,
kandidat nauk; BOGOMOLOVA, A.I., kandidat nauk; GORSKAYA, A.I.,
kandidat nauk; ZHABREV, D.V., kandidat nauk, redaktor; KAZMINA,
T.A., kandidat nauk; MESSINEVA, M.A., kandidat nauk, PETROVA,
Yu.N., kandidat nauk; RADCHENKO, O.A., kandidat nauk; TATARSKIY,
V.T., kandidat nauk; TIKHIY, V.N., kandidat nauk; USPENSKIY, V.A.,
kandidat nauk, DYAKOV, B.F., redaktor; SAVINA, Z.A., redaktor;
TROFIMOV, A.V., tekhnicheskij redaktor.

[Origin of oil] Proiskhozhdenie nefli. Pod red. M.F.Mirchinka i
dr. Moskva, Gos.nauchno-tekhn.izd-vo neflianoi i gorno-toplivnoi
lit-ry, 1955. 483 p. (MLRA 9:1)

1. Chlen korrespondent AN SSSR (for Mirchink)
(Petroleum geology)



TATARSKIY, V. V.

Kholdin, S. A. and Tatarskiy, V. V. "The causes of delayed appearance of cancer of the stomach," *Trudy Akad. med. nauk SSSR*, Vol. 1, 1949, p. 50-60, --Bibliog: 9 items.

SO: U-411, 17 July 1953, (Letopis 'Zhurnal 'Nykh Statey, II, 20, 1949)

TATARSKIY, V. V.

Tatarskiy, V. V. "The causes of late recognition of cancer of the lower lip", Trudy Akad. med. nauk SSSR, Vol. 1, 1949, p. 60-63, -- Bibliog: 9 items.

SO: U-411, 17 July 1963, (Letopis 'Zhurnal 'nykh Statey, No. 20, 1949)

TATARSKIY, V. V.

Tatarskiy, V. V. and Shanin, A. P. "On the content of glutathione and ascorbic acid in melanotic tumors", Trudy Akad. med. nauk SSSR, Vol. I, 1947, p. 262-64,--
Bibliog: 6 items.

SO: U-411, 17 July 1953, (Letopis 'Zhurnal 'nykh Statey, No. 20, 1949)

TATARSKIY, V. V.

Aksamitnaya, I. A. and Tatarskiy, V. V. "On the retention of certain minerals in the liver, lungs, kidneys, and spleen in the development of experimental cancer," Trudy Akad. med. nauk SSSR, Vol. I, 1949, p. 265-67,--
Bibliog: 6 items.

SO: U-411, 17 July 1953, (Letopis 'Zhurnal 'nykh Statey, No. 20, 1949)

TATARSKIY, V. V.

Aksamitnaya, I. A. and Tatarskiy, V. V. Peculiarities of water exchange in fast-growing tissues", Trudy Akad. med. nauk SSSR, Vol. I, 1949, p. 268-72, ---
Bibliog: p. 272.

SO: U-411, 17 July 1953, (Letopis 'Zhurnal 'nykh Statey, No. 20, 1949)

TATARSKIY, V. V.

Aksamitnaya, I. A. and Tatarskiy, V. V. "The kinetics of water loss and the water dilution of the serum in cancer patients", Trudy Akda. med. nauk SSSR, Vol. I, 1949, p. 273-79, - Bibliog: 11 items.

SO: U-411, 17 July 1953, (Letopis 'Zhurnal 'nykh Statey, No. 20, 1949)

TATARSKIY, V. V.

Aksmitnaya, I. A. and Tatarskiy, V. V. "The nature of binding of water by tumor tissue",
Trudy Akad. med. nauk SSSR, Vol. I, 1949, p. 277-83, --Bibliog: 7 items.

SO: U-411, 17 July 1953, (Letopis 'Zhurnal 'nykh Statey, No. 20, 1949)

CA

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Effect of thyroid extract on the reversed development of experimental arteriosclerosis in rabbit. V. V. Tatarov and V. D. Tsinzerting (Ministry Health, Leningrad). *Ark. Patol.* 12, No. 1, 44-55(1930).—Daily administration of 5 ml. aq. emulsion of thyroid to rabbits which daily receive via stomach tube 0.5 g. cholesterol, leads to reverse development of cholesterolemia and arteriosclerotic changes, in comparison with controls which were given H₂O instead of the thyroid preps. The expts. lasted up to 3.5 months. G. M. Kosolapoff

TATARSKIY, V.V.

PARSHIN, A.N.; TATARSKIY, V.V.

Initial stages of fermentative transformation of l-tryptophen in the liver of normal and tumorous animals. Vop.med.khim. 3:43-51 '51.
(MIRA 11:4)

1. Biokhimicheskaya laboratoriya Instituta onkologii AMN SSSR,
Leningrad.

(TRYPTOPHAN) (LIVER) (TUMORS)

TATARSKIY, V.V.

DS-1

✓ Nicotinic acid metabolism during cancer. V.V. Tatar
~~skiy. *Voprosy Med. Khim.* 6: 177-180, 1954.~~
 1954. *Nicotinic acid metabolism during cancer*. The excretion of
 nicotinic acid (I) and N-methyl, nicotinamide (II) in urine
 has been studied in men suffering from cancer or from pre-
 cancer illnesses, in rabbits with the Brown-Peterson tumor,
 and in rats with rhabdomyosarcoma. Men received I
 per os (2 mg/kg body wt.) and rabbits and rats sub-
 cutaneously (1 mg/100 g. body wt.). I-amide and II
 were detd. by the cyanogen bromide method and II also
 fluorometrically. As shown by 6 patients and 11 animals
 the amts. of I and I-amide excreted (3.10-3.04 mg. in men
 and 0.14-0.49 mg. in animals/day, resp.) were nearly the
 same as in healthy men (3.70 mg.) and in normal animals
 (0.13-0.59 mg.). The amt. of II (detd. fluorometrically)
 in the urine of the patients was slightly decreased. After
 high intakes of I the amt. of I excreted by the patients was
 slightly lower than in the case of healthy men (21.10 mg. I
 daily). A marked decrease was noticed in the urine of
 patients suffering from gastric cancer (0.8 mg. I daily).
 The amt. of II detd. by the cyanogen bromide method
 following a high intake of I was slightly decreased.
 In all the cases the excretion of I and I-amide was not
 affected by the presence of cancer. The excretion of II
 was not changed in the case of cancer. The results
 with I and I-amide are in agreement with the results
 with precancer disturbances.

TATARSKIY, V-V
USSR/Medicine - Oncology, Pharmacology

FD-2813

Card 1/1 17, 15/19

Author : TatarSKIY, V. V.

Title : ~~Effect of the administration of tryptophan on the volume of its breakdown products in the urine of rats with malignant neoplasms.~~
Effect of the administration of tryptophan on the volume of its breakdown products in the urine of rats with malignant neoplasms.

Periodical : Byul. eksp. biol. i med. 6, 56-61, June 1955

Abstract : Author reports on his investigation of tryptophan excretion in the urine of rats with malignant growths. Without administration of additional tryptophan, the excretion of tryptophan, methyl nicotinamide, glucuronic acid, ammonia, and urea decreased. A decrease of the methyl nicotinamide also was observed in patients with cancer. After considerable experimentation author came to the conclusion that in rats with transinjected rhabdomyoblastoma and with sarcoma caused by methyl cholanthrene, the ability to utilize tryptophan for purposes of synthesis is reduced. 15 references, 6 USSR, 12 since 1940, tables.

Institution : Clinical Laboratory (Head: G. G. Ivanov), Institute of Oncology (Dir: Corresponding Member Academy Medical Sciences USSR Prof A. I. Serebrov) Academy Medical Sciences, Leningrad

Submitted : 23 Jul 1954

TATARSKIY, V.V.; TSEL', Ye. A.; BOGNIBOV, Ye.A.

Amino and total urinary nitrogen following gastrectomy for cancer. Vop.
onk. 4 no.5:563-569 '58. (MIRA 12:1)

1. Iz II khir. otd. (zav. - prof. A.I. Rakov) i klinich. laboratorii
(zav. - st. nauchn. sotr. G.G. Ivanov) Instituta onkologii AMN SSSR
(dir. - dsyatv. chl. AMN prof. A.I. Serebrov). Adres avtorov: Leningrad,
P-129, 2-ya Berezovaya alleya d.3, Institut onkologii AMN SSSR.

(GASTRECTOMY, in var. dis.

cancer, postop. urinary nitrogen (Rus))

(NITROGEN, in urine,

postgastrectomy, in cancer (Rus))

RABKOVA, L.M. (Leningrad, Primorskiy prospekt, 23,kv.27); TATARSKIY, V.V.
(Leningrad, P-154, prospekt Shchorsa,7,kv.8).

Acid phosphatase in the blood serum of male patients with tumors
of the urogenital organs. Vop. onk. 7 no. 4:70-73 '61. (MIRA 14:4)

1. Iz onko-urologicheskogo otdeleniya (zav. - prof. I.N. Shapiro)
Instituta onkologii AMN SSSR (dir. - deyatvitel'nyy chlen AMN
SSSR prof. A.I. Serebrov).
(PHOSPHATASE) (GENITOURINARY ORGANS--TUMORS)

AKSAMITNAYA, I.A.; TATARSKIY, V.V.

Carbazole method for the quantitative determination of glucuronic acid in urine. Lab. delo 7 no.6:21-24 Je '61. (MIRA 14:7)

1. Laboratoriya eksperimental'noy onkologii (zav. - chlen-korrespondent AMN SSSR prof. L.M.Shabad) i klinicheskaya laboratoriya (zav. G.G.Ivanov) Instituta onkologii AMN SSSR, Leningrad.
(GLUCURONIC ACID) (URINE--ANALYSIS AND PATHOLOGY)

TATARSKIY, V.V., kand.med.nauk; ANISHINA, Ye.D.; SMIRNOVA, A.V.; FEDOROVA, K.V.

Comparative evaluation of some biochemical indices in rheumatic fever.
Trudy LPMI 31 no.2:374-380 '63. (MIRA 17:10)

1. Iz Leningradskogo mezhrayonnogo kardio-revmatologicheskogo dispansera
i laboratorii Ob"yedinennoy bol'nitsy imeni Kuybysheva, Leningrad.

TATARSKIY, V.V.; FEDOROVA, K.V.; ANISHINA, Ye.D.

Diphenylamine method for the quantitative determination of
sialic acids. Lab. delo no.8:457-460 '65.

(MIRA 18:9)

1. Leningradskiy gorodskoy kardio-revmatologicheskij dispanser
(glavnyy vrach A.I. Shkurov) i bol'nitsa imeni Kuybysheva
(glavnyy vrach Ye.V. Mamysheva), Leningrad.

TATARSKIY, V.J.

SUBJECT USSR/MATHEMATICS/Differential equations CARD 1/2 PG - 61
 AUTHOR TATARSKIJ V.J.
 TITLE On the amplitude and phase pulsations of a wave moving in a slightly unhomogeneous atmosphere.
 PERIODICAL Doklady Akad. Nauk 107, 245-248 (1956)
 reviewed 6/1956

The author investigates the propagation of a wave and the amplitude and phase variations connected with this propagation in a central symmetric unhomogeneous medium, the index of refraction of which differs only few from the value 1, which it takes in the central point: $n = 1 + n_1(\kappa)$ with $|n_1| \ll 1$. In the wave equation $\Delta \Psi + k_s^2 \Psi = 0$ with $k_s^2 = k^2 n^2 \approx k^2 (1 + 2n_1(\kappa))$ where $k = \frac{\omega}{c}$ it is introduced $\phi = \ln \Psi$ with $\text{Re } \phi = \ln \Lambda$, $\text{Im } \phi = S$, where

Λ = amplitude, S = phase of the wave, such that $\phi = \Lambda e^{iS}$. For ϕ it follows:

$\Delta \phi + (\nabla \phi)^2 + k^2 + 2k^2 n_1(\kappa) = 0$. The author develops ϕ into a series

$\phi = \phi_0 + \phi_1 + \dots$ with $\phi_0 = \ln \Lambda_0 + ikx$, where $\Lambda_0 = (\Lambda)_{\kappa=0} = (\Lambda)_{x=0}$.

The beam of rays belonging to the differential equation for ϕ_1 combining

ϕ_0 and ϕ_1 then simplifies to $\Delta_1 \phi_1 + 2ik \frac{\partial \phi_1}{\partial x} + 2k^2 n_1(\kappa) = 0$. Here for ϕ_1

Doklady Akad. Nauk 107, 245-248 (1956)

CARD 2/2

PG - 61

and n_1 a Fourier integral representation is carried out. Correlation functions $R_0(\kappa_1, \kappa_2) = n_1(\kappa_1) n_1(\kappa_2)$, further $R_A(\kappa_1, \kappa_2) = \ln \frac{\Delta(\kappa_1)}{\Delta_0} \ln \frac{\Delta(\kappa_2)}{\Delta_0}$ and $R_S(\kappa_1, \kappa_2) = S_1(\kappa_1) S_1(\kappa_2)$ are introduced and by aid of them further transformations of the formulas are made.

TATARSKIY, Zh.

Study of problems in the history of medicine in the Rumanian
People's Republic. Sov.med. 22 no.6:141-144 Je '58 (MIRA 11:9)

1. Iz Instituta zdravookhraneniya i istorii meditsiny (Bukharest)
(HISTORY, MEDICAL,
in Rumanina (Rus))

TATARTSEV, N.V., inzh., komandir gornospasatel'nogo otryada.

Mine fire extinction with carbon dioxide. Bezop.truda v proc.
4 no.12:8-9 D '60. (MIRA 14:1)

(Mine fires)

TATARU, B.

ROMANIA/General Problems of Pathology - Tumors.

T-5

Abs Jour : Ref Zhur - Biol., No 4, 1958, 17423

Author : Pecurariu, O., Bretin. N., Cirstocea, I., Tataru, B.,
Dumitrescu, D.

Inst : -

Title : On a Case of Leucosarcoma.

Orig Pub : Med. interna, 1956, 8, No 4, 590-596

Abstract : This is a report on a case of leucosarcoma in a 15-year old girl, characterized by fever, amenorrhea, a papular erythematous rash (leukemids) on the face, neck and shoulders, increased cervical, submaxillary and inguinal nodes, hepatosplenomegaly, anemia, pronounced leukopenia and elevated ESR. A histologic study of the mammary gland tumor and of an enlarged lymph node in the axilla revealed a round cell sarcoma. A bone marrow specimen showed predominance of hemocytoblasts (the author uses the term lymphoblast), paramyeloblasts and micromyeloblasts. During the

Card 1/2

ROMANIA/General Problems of Pathology - Tumors.

"APPROVED FOR RELEASE: 07/16/2001 . CIA-RDP86-00513R001755110013-7"

T-5

Abs Jour : Ref Zaur - Biol., No 4, 1958, 17423

6th hospital week the white count reached 54,000 per cu mm with 86% lymphocytes and 10% neutrophils; during the 7th week the white cell count reached 84,000 per cu mm with 79% lymphocytes, 9% hemocytoblasts and 4% myelocytes. The patient expired shortly.

Card 2/2

EXCERPTA MEDICA Sec 13 Vol. 11/10 Dermatology Oct 57

2171. TĂTARU C., POP O., OPRİȘ A., MOGA A. and MACAVEI I. *Contribuții la studiul lupo-eritemato-visceritei maligne în legătură cu cazurile din Clinica dermato-venerica din Cluj. Malignant lupo-erythemato-visceritis in connection with cases from the dermato-venerical clinic in Cluj; DERM.-VENEROL. (București) 1956, 1/1 (38-57) illus. 10

Out of 10 cases of malignant lupo-erythemato-visceritis, 9 had a lethal end, while 1 escaped observation. Death occurred within 3-16 months from the onset of persistent eruptions. The aetiological factor in 4 of the 5 autopsied cases was found to be tb, 1 showing an acute evolutionary form while the other 3 belonged to the gaseous ganglial adenopathy type. Aetiopathogeny of malignant lupo-erythemato-visceritis seems to be of allergic nature. Allergization was produced in most of the cases through tb, the releasing factor of the disease being some infection or various intoxications, solar rays and UV rays.

S/194/62/000/007/137/160
D413/D308

9.1600

AUTHOR: Tataru, Emil

TITLE: A study of the characteristics of the radiation from lens aeriels fed by pyramidal and sectored horns

PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika, no. 7, 1962, abstract 7-7-160 yu (Studia Univ. Babeş-Bolyai Math.-phys., no. 1, 1960, 199-203 [Rum.; summaries in Rus. and Fr.])

TEXT: According to the type of radiator, the paper considers the field distribution characteristics over the aperture from sources of spherical and cylindrical waves, taking account of the refraction coefficient for horizontal and vertical polarizations. For the given types of radiator formulas are given for normalized directivity characteristics in the planes of the magnetic and electric vectors. 7 references. (Catedra de electricitate și optică a Universității "Babeş-Bolyai"). [Abstracter's note: Complete translation.]

Card 1/1

44298

S/058/62/000/012/018/048
A160/A101

24.3300

AUTHORS: Paşcalău, M., Weissman, E., Tătaru, E.

TITLE: A Fabry-Perot interferometer with a magnetostrictive scanning

PERIODICAL: Referativnyy zhurnal, Fizika, no. 12, 1962, 22 - 23, abstract 120223
("Studii și cercetări fiz. Acad. RPR", no. 4, 1961, v. 12, 843 -
852, Rumanian; summaries in Russian and French)

TEXT: A description is given of a Fabry-Perot interferometer with a magnetostrictive spectrum scanning. The movable plate of the interferometer is fastened to the end of the ferrico tube with a diameter of 30 mm and length of 100 mm, the other end of the tube is fixed in relation to the stationary plate. The tube is wound with an electrical winding, and is the magnetostrictive unit of the device. The scanning of the spectrum is carried out by shifting the movable plate, whereby the length of the tube magnetostrictively changes. A description is given of the circuit diagram of generating signals fed to the winding. Adjusting devices and a cooling of the winding are provided for. The scanning may be performed with direct current and alternating current of 50 cps, whereby the

Card 1/2

A Fabry-Perot interferometer with a...

S/058/62/000/012/018/048
A160/A101

spectrum is recorded by an oscillograph. The outstanding feature of the new method is its speed and recording accuracy. Records of a spectrum of isotopically-displaced H_2O - D_2O -mixture lines is presented as an example.

Yu. Mazurenko

[Abstracter's note: Complete translation]

Card 2/2

TATARU, Emil, ing.

A simple solution of the parametric modulation equation in
frequency. Telecommunicatii 7 no.3:135 My-Je '63.

TATARU, Emil

Forced oscillations in an oscillating circuit with polarized ferrite. Studia Univ B-B S. Math-Phys 8 no.1:125-131 '63.

TATARU, Emil

Behavior of the oscillating circuit containing nonlinear capacity of a p-n junction under the conditions of forced oscillations. Studia Univ B-B S. Math-Phys 9 no.1:117-122 '64.

FIRINGER, G.; TATARU, E.

Analysis of saturated hydrocarbons by gas chromatography with capillary columns and the detector of electrolytic conductivity. Rev chimie Min petr 15 no.12:754-756 D '64.

1. Institute of Atomic Physics, Cluj.

TATARU, Gheorghe

Propaganda for labor protection in a Rumanian enterprise.
Munca sindic 7 no.6:18-20 Je '63.

1. Presedinte al comitetului sindicatului de la Combinatul
chimico-metalurgic Baia Mare.

L 2048-66 EWP(t)/EWP(b) IJP(c) JD

ACCESSION NR: AP5027057

BT/0017/65/000/004/0209/0210

AUTHOR: Tataru, I. (Inginer)

18
B

TITLE: Substitution of aluminum with ferroaluminum in exothermic and blasting bushes

27

SOURCE: Metalurgia, no. 4, 1965, 209-210

TOPIC TAGS: aluminum, iron aluminum alloy

ABSTRACT: The author presents a recipe for the preparation of an exothermic mixture using ferroaluminum which was worked out and is being used at the Mining Equipment Works of Orasul Dr. Petru Groza.

ASSOCIATION: Uzina de utilaj minier—Orasul Dr. Petru Groza (Mining Equipment Works)

SUBMITTED: 00

ENCL: 00

SUB CODE: 144

NO REF SOV: 000

OTHER: 000

JPRS

Card 1/1

JD

TATARU, Liviu, ing.

Determination of the axial stress in duo aggregates in the case of steel rolled tubes without soldering. Metalurgia constr mas 14 no.4:328-330 Ap '62.

1. Fabrica de tevi, Roman.

ROMANIA

BUTTESCU, E., Dr, IORGULESCU, M., Dr, and TATARU, N., Dr. Work performed at Hospital No 3 (Spitalul Nr 3), Craiova.

"Staphylococcal Scarlet Fever."

Bucharest, Microbiologia, Parazitologia, Epidemiologia, Vol 8, No 5, Sep-Oct 63, pp 433-436.

Abstract [Authors' English summary modified]: A report on four cases of the disease treated at the Craiova Hospital for Contagious Diseases. Clinical aspects are described, as are the positive laboratory tests that confirmed the diagnoses. It is pointed out that staphylococcal infections are on the increase. Includes 2 English-language and 3 Rumanian references.

1/1

2

RUMANIA

616.981.551:618.39

BUTTESCU, E., Dr, IORGULESCU, M., Dr, TATARU, N., Dr, CIÓBANU, I.,
Dr, and CALOTA, Stéfania, Dr. Work performed at the Hospital
No 3 (Spitalul Nr 3), Craiova.

"Clinical and Epidemiological Considerations in 45 Cases of
Uterine Tetanus."

Bucharest, Microbiologia, Parazitologia, Epidemiologia, Vol 11,
No 3, May-Jun 66, pp 269-272.

Abstract [Authors' English summary modified]: After a review of
the data in Rumanian and world literature regarding uterine
tetanus, the authors discuss 45 cases of the infection seen at
the Department for Infectious Diseases of the Craiova Hospital.
Attention is called to the great diversity of forms which may
occur and to the severity of the disease, which showed a death
rate of 84.6 percent. While timely serum therapy and curettage
gave the highest recovery rate of the treatments tried, the
authors stress that the only effective prophylaxis consists of
specific prophylactic measures coupled with a general rise of
educational and sanitary standards.

Includes 10 references, of which 2 Rumanian, 2 English-
language and 6 French-language. -- Manuscript submitted 1 October
1964.

1/1

RUMANIA

TATARU, Nicolae; BAJENESCU, Titu; GHEȚARU, Sorin.

Bucharest, Studii și Cercetări de Energetică și Electro-
tehnică, No. 1, 1966, pp 91-104

"An Automatic Optimization System to Regulate the Power
of Nuclear Reactors"

S/081/62/000/020/014/040
B158/B101

AUTHORS: Tătaru, Sever, Ștefănoiu, Doina

TITLE: The use of ionites in the hydrometallurgy of molybdenum

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 20, 1962, 331, abstract
20K54 (Studii și cercetări metalurgice Acad. RPR, v. 6,
no. 4, 1961, 475-482 [Rom.; summaries in Russ. and French])

TEXT: To purify ammonium solutions obtained when Mo concentrates are leached, the original solution was passed through an "Amberlite IRC-50" cation exchange resin. Cu, Ni and Zn impurities were retained on the cation exchange resin and a solution of pure NH_4 molybdate flowed from the column. The copper was washed from the cation exchange resin with H_2SO_4 and recovered from the latter by electrolysis. [Abstracter's note: Complete translation.]

Card 1/1

TATARU, Sever

Possibility of increasing decantation and filtration speed in the
turbid mineral auriferous liquid mass with the aid of polyacrylamide.
Studii cerc metalurgie 6 no.4:423 '61.

TATARU, S., ing.

A much improved method of amalgamation. Rev min 13 no.2:
79-80 F '62.

PLAKSIN, I.N., prof. dr.; TATARU, S., ing.

Use of ion exchange in some flotation and hydrometallurgical processes. Rev min 13 no.6:233-239 Je '62.

1. Membru corespondent al Academiei de Stiinte din U.R.S.S.
(for Plaksin).

TATARU, Sever; PARASCHIV, Ilie

New chemical techniques used in ore dressing. Rev min 13 no.10:
478-479 0 '62.

TATARU, S., ing.

Influence of some flotation reagents on the adsorption of uranium
by ionites. Rev min 14 no.6:260-262 Je '63.

TATARU, S., ing.

Present situation of uranium ore dressing. Rev min 15 no. 4:
202-208 Mr '64.

TATARU, S., ing.

Treatment of residual waters from ore dressing plants. Rev min
15 no.7:336-344 '64

L 41807-66 EMP(t)/ETI IJP(c) DS/JD/JG/RM
ACC NR. AP6031535 SOURCE CODE: RU/0027/65/010/002/0197/0201

36
B

AUTHOR: Tataru, S. A.

ORG: Ministry of Mines (Ministerul Minelor)

TITLE: Adsorption by anionites of aurocyanides from industrial solutions

SOURCE: Studii si cercetari de metalurgie, v. 10, no. 2, 1965, 197-201

TOPIC TAGS: ion exchange resin, adsorption, anionite/AV-17 anionite

ABSTRACT: The author presents his results on the adsorption of precious metals by ion exchange resins from alkaline cyanide solutions. Results with different ion exchangers are described, and a study is reported on the adsorption under static and dynamic conditions on anionite AV-17, a strongly alkaline resin based on polystyrol and divinyl benzol, initially loaded as a chloride. Orig. art. has: 8 formulas and 2 tables. [JPRS: 34,167]

SUB CODE: 07 / SUBM DATE: none / ORIG REF: 001 / SOV REF: 004
OTH REF: 004

Card 1/1 af

0919 6320

TATARUL'YEVA, T.P.

Using ultrasound for the removal of scum in heat exchangers.
Met. 1 gornorud. prom. no.2:75 Mr-Ap '65.

(MIRA 18:5)

KHARLAMPOVICH, G.D.; RUS'YANOVA, N.D.; MEL'NIKOVA, V.I.; GORDEYEVA, Z.K.;
Prinimali uchastiye: MIRONOV, V.I., laborant; MAKAROVA, Z.A.,
laborant; KUDRYASHOVA, R.I., student; TATARUOV, G.P., student;
SELITSKIY, G.A., student; IL'CHENKO, P.P., student; MOSKOVSKIKH, V.V.,
student; YEVSEYEV, Ye.I., student

Studying the new method of ammonia recovery in an experimental
industrial installation. Koks i khim. no.2:34-38 '62.
(MIRA 15:3)

1. Ural'skiy politekhnicheskiy institut.
(Coke-Oven gas) (Ammonia)

TATARYAN, A.O., mladshiy nauchnyy sotrudnik

Deep lipoma of the scrotum. Vop.rent.i onk. 6:339-340 '61.
(MIRA 16:2)

(SCROTUM—TUMORS)

TATARYAN, A.O., mladshiy nauchnyy sotrudnik; NAGAPETYAN, L.S.

Combined contrast in X-ray studies of the urinary bladder. Vop.
rent. i onk. 7:111-114 '63 (MIRA 17:7)

TATARYAN, A.O.; KHEROBYAN, F.A.

Materials for the study of cystoscopic and X-ray data in tumors of
the urinary bladder. Zhur. eksp. i klin. med. 4 no.1:55-60 '64.
(MIRA 17:9)

1. Institut rentgenologii i onkologii AMN SSSR.

22(5)

AUTHOR:

Tataryan, G.

SOV/64-59-3-17/24

TITLE:

The Problem of Work Payment for Laborers in Apparatus Processes (K voprosu o formakh oplaty truda rabochikh na apparaturnykh protsessakh)

PERIODICAL:

Khimicheskaya promyshlennost', 1959, Nr 3, pp 74-75 (USSR)

ABSTRACT:

The expediency of paying work in one or the other way depends largely on the kind of the process required by an apparatus, i.e. whether these processes are continuous or periodical. An example for a periodical process is the works for the production of sodium sulphate, where a close connection can be seen between the amount produced and the work done by the laborer attending the apparatus. In this case a piece wage is expedient. In cases of discontinuous production not all technological phases are regulated exactly, and the production standard is regulated only approximately. In the Derbenevskiy khimicheskiy zavod (Derbenevskiy Chemical Works) for instance, a standard is fixed for the dyestuff production which can be fulfilled 100-190% depending on the quality of the laborer. The spurring influence of piece wages is pointed out and the

Card 1/2

The Problem of Work: Payment for Laborers in
Apparatus Processes

SOV/64-59-3-17/24

payment of premiums is recommended for the maintenance of the quality. In case of automatically regulated technological processes, piece wage is not expedient, since the workman only has to observe certain rules, so that in this case some works now and then pay premiums for reaching the desired improvement of the working quality and of the quality of production. Data regarding this problem are given for two works of the Stalinogorskiy khimicheskiy kombinat (Stalinogorsk Kombinat for Chemistry)(Table). There is 1 table.

Card 2/2

TATARYAN, Gurgen Arsenovich; GORODENSKIY, L.M., red.; GVOZDEV, V.A.,
tekh.red.

[Specialization and cooperation under the new conditions of
industrial management] Spetsializatsiia i kooperirovanie
v novykh usloviakh upravleniia promyshlennost'iu. Moskva,
O-vo po rasprostraneniuiu polit. i nauchn.znanii RSFSR, 1960.

(MIRA 13:7)

(Industrial organization)

GULANYAN , Khach'k Grigor'yevich; TATARYAN, Gurgen Arsenovich;
MITINA, M., red.; KRYLOVA, I., mlad. red.

[Technological progress and labor organization; based on
materials from chemical and machinery industry enterprises]
Tekhnicheskii progress i organizatsia truda; po materialam
predpriatii khimicheskoi i mashinostroitel'noi promyshlennosti.
Moskva, Izd-vo "Mysl'" 1964. 213 p. (MIRA 17 8)

TATARZHINSKIY, L.; KRASHENINNIKOVA, Ye.

Distribution of enterprises serving public needs in residential
districts. Zhil.stroi. no.2:27-32 P '60.

(MIRA 13:5)

(City planning)

TATARZHINSKIY, L., arkhitektor; POLUMORDVINOVA, V., arkhitektor

Apartment-house facilities areas. Zhil.stroi. no.6:12-15
Je '60. (MIRA 13:7)

(Apartment houses)

(Refuse and refuse disposal)

MAYDEBOR, V.N.; TATASHEV, K.Kh.

Results of investigations of injection wells on a field with a
fractured reservoir: rock. Neft. khoz. 42 no.8:25-27 Ag '64.
(MIRA 17:9)

TATASOV, G.K.

Treatment with neuroleptic drugs (reserpine, aminazine) for patients with cerebral atherosclerosis and hypertension with mental disorders. Preliminary report. Trudy Gos. nauchno-issl. inst. psikh. 22:395-407 '60. (MIRA 15:1)

1. Klinika sosudistyykh psikhozov (zav. - prof. V.M.Banshchikov)
Gosudarstvennogo nauchno-issledovatel'skogo instituta psikhiatrii
Ministerstva zdravookhraneniya RSFSR.
(CEREBRAL ARTERIOSCLEROSIS) (AUTONOMIC DRUGS)
(HYPERTENSION) (MENTAL ILLNESS)

SIUNOV, N.S., doktor tekhn.nauk, prof.; TATASOV, N.M., inzh.

Synchronous motors excited by means of semiconductor rectifiers.
Elektrichestvo no.2:40-43 F '59. (MIRA 12:4)
(Electric motors, Synchronous) (Transistors)

TATATIN, A.A.

R

Khvoisenkov, N. I. and Tatatin, A. A. CHROMITE-ALUMINA LININGS AT THE TRAVANSK CEMENT WORKS.
Journal of the American Ceramic Society, 6 (7) 1-3 (1939).—Reamed chromite linings had twice the stability of chromite brick linings, owing to a greater homogeneity of the material and the absence of seams. Chromite linings on an alumina cement base gave linings for the sintering zones of rotary kilns with a higher stability than clinker concrete and talc linings.

TATAUROV, N.Ya.; MODORSKIY, Z.H.

One carburetor instead of two. Put' put.khoz. no.9:33
S '59. (MIRA 12:12)

1. Nachal'nik otdela mekhanizatsii sluzhby puti, g.Gomel'
(for Tataurov). 2. Inzhener po mekhanizatsii Gomel'skoy
distantzii (for Modorskiy).
(Railroad motor cars)

TATAUROV, N.Ya.; MADORSKIY, Z.N., inzh.-mekhanik (Minsk).

Capron parts for track machinery. Put' i put.khoz. 4
no. 5:24 My '60. (MIRA 13:11)

1. Nachal'nik otдела mekhanizatsii sluzhby puti, Minsk
(for Tataurov).
(Nylon) (Railroads--Equipment and supplies)

TATAUROV, N. Ya.

Efficient use of the track machinery. Put' i put.khoz. 8 no.4:15-
16 '64. (MIRA 17:4)

1. Nachal'nik otdela mekhanizatsii sluzhby puti Belorusskoy dorogi,
Minsk.

I. 9205-66 EWT(1)

SOURCE CODE: UR/0058/65/000/008/A014/A014

ACC NR: AP6000100

SOURCE: Ref. zh. Fizika, Abs. 8A136
AUTHORS: ^{42, 153} Patrakov, R. I.; ^{44, 55} Belozeroва, V. P.; Tataurov, V. S.

39
B

ORG: none

TITLE: High resolution monochromator ¹⁰

CITED SOURCE: Tr. Koiss. po spektroskopii AN SSSR, t. 2, vyp. 1, 1964, 656-664 ⁴¹⁵⁵

TOPIC TAGS: ^{21, 45, 53} monochromator, diffraction grating, optic resolution, light dispersion/

TRANSLATION: A high resolution monochromator, based on the Igel extraplanar installation, was designed and constructed for the 500--600 Å region. An aluminized diffraction grating with three meter of curvature and 1200 lines/mm was used, with a ruled surface 120 x 60 mm and a resolving power 144,000. The average dispersion of the instrument is 5 Å/mm. The spectrum is scanned by both translating and rotating the grating. The angle of incidence was varied thereby from 0° to 20°. Spectral symmetrical slits of the type NO-2443-57 were used. The source, monochromator, and receiver chambers each have their own autonomous vacuum systems. The radiation sources are low-voltage pulsed discharge and a hydrogen lamp, while the radiation receiver is a photomultiplier with fluorescent screen of sodium salicylate.

SUB CODE: 20/ SUMM DATE: none/ ORIG REF: 000/ OTH REF: 000

ZHURAVLEV, M.S., kand. sel'khoz. nauk; KOVALEV, N.V., kand. sel'khoz. nauk; MONAKHOV, G.V.; MUKHAMEDOV, G.K.; TATAUROVA, A.S.; TUZ, A.S.; TUFITSYN, D.I.; PROLOV, A.I.; VYSOTSKIY, K.A., kand. sel'khoz. nauk, red.; PAVLOVA, N.M., doktor biol. nauk, red.; KUL'TISOV, N.V., kand. sel'khoz. nauk, red.; PYLAYEVA, L.N., red.; SOROKINA, Z.I., tekhn. red.

[Catalog of the prospective varieties of fruit, berry, and grape crops in the collection of the Central Asia Experiment Station of the All-Union Institute of Plant Culture] Katalog perspektivnykh sortov plodovoiagodynykh kul'tur i vinograda v kolleksiis Sredneaziatskoi opytnoi stantsii. Tashkent, Vses. nauchno-issl. in-t rastenievodstva, 1961. 123 p. (MIRA 16:12)

1. Sredneaziatskaya opytnaya stantsiya.
(Soviet Central Asia--Fruit--Varieties)

TAFAYEV, A. A.

Treatment of hypertension with antisymphathin, Sovet med. 17 no.3:19-
20 Mar 1953. (GLML 24:2)

1. Doctor Biological Sciences. 2. Of the Institute of Pediatrics
(Director --- Prof. M. N. Kasantseva), Academy of Medical Sciences USSR.

USSR/Human and Animal Morphology (Normal and Pathological) Lymph System S-4

Abs Jour : Ref Zhur - Biol., No 12, 1958, No 55122

Author : ~~Tetsey A.A.~~

Inst : Daghosten Institute of Medicine

Title : The Efferent Lymphatic Vessels of the Eyeball Muscles.

Orig Pub : Sb. nauchn. tr. Degost. med. in-t, 1956, 6, 389-391

Abstract : The efferent lymphatic eyeball vessels and their connection with the lymphatic collectors and the venous system were studied on 20 human corpses. Iosifov's method (filling the vessels with Indian ink) was used, as well as subsequent dissection. It was established that the majority of the efferent lymphatic vessels of eyeball muscles originate from the lymphatic capillary endomyrial network and proceed to the Tenon capsule, after passing through the tendons of the corresponding muscles. There, the vessels divide into fine branches, which join the lymphatic network of the conjunctive. The efferent vessels of the lymphatic conjunctive

Card : 1/2

USSR/Human and Animal Morphology (Normal and Pathological) Lymph System S-4

Abs Jour : Ref Zhur - Biol., No 12, 1958, No 55122

network form two groups in the area of the canthus, a medial and a lateral group. On reaching the confluence site of the general facial vein and the inner jugular vein, these two vessel groups form a common lymphatic collector which takes the same direction as the jugular vein.

Card : 2/2

ACCESSION NR: AR 4015683

S/0081/63/000/023/0125/0125

SOURCE: RZh. Khimiya, Abs. 23G44

AUTHOR: Tatayev, O. A.; Bagdasarov, K. N.

TITLE: Photocolorimetric determination of praseodymium by means of quinalizarin

CITED SOURCE: Sb. Elektrokhim. i optich. metody* analiza. Rostov-na-Donu, Rostovsk. un-t, 1963, 212-216

TOPIC TAGS: colorimetry, rare earth, quantitative analysis, praseodymium, quinalizarin, praseodymium complex

ABSTRACT: The formation of complexes between Pr and quinalizarin was investigated and it was found that the colored complex has a maximum intensity at pH 7; at pH 8-11, the optical density remains constant, but is only two thirds of that at pH 7, while at pH 1-6.5 no color develops. The maximum absorption of the complex is at 584 m μ at pH 7 and 658 m μ at pH 8-10. The color reaches maximum intensity 5 minutes after mixing of the reagents and remains constant for one hour. Beer's law is followed. The method is suitable for the determination of Pr at concentrations of 1.25×10^{-6} - 3.75×10^{-5} g. ions/liter at pH 7 and 1.25×10^{-6} - 6.3×10^{-5} g. ions/liter at pH 9. The molecular absorption coefficient is 9600 at pH 7 and 5610 at pH 9.

Card 1/2

ACCESSION NR: AR4015683

By the methods of isomolar series and constant concentration, it has been shown that Pr and quinalizarin are present in the complex in the ratio 1:2. The instability constant of the complex is 3.02×10^{-12} . In order to determine Pr, the solution to be analyzed is mixed with 15-20 ml of water, 8 ml of buffer solution at pH 7 (5.5 ml of 5% urotropin plus 2.5 ml of 4% H_3BO_3) and 5 ml of a 0.02% solution of quinalizarin in methanol, diluted with water to 50 ml and measured in 2-cm cuvettes using a reagent blank. If the determination is carried out at pH 9, the solution to be analyzed is mixed with 20-25 ml of water, the solution of quinalizarin, acetate buffer at pH 6 and 1 ml of 1 N NaOH, and diluted with water to 50 ml. L. Guzeyeva

DATE ACQ: 09Jan64 /

SUB CODE: IC

ENCL: 00

Card 2/2

TATAYEV, B.I.

"The Economic Effect of the Complex Mechanization of the Cultivation of Corn in the Rostovskaya Oblast (on the Example of Farms in the Myasnikov Rayon of Rostovskaya Oblast)";
dissertation for the degree of Candidate of Economic Sciences
(awarded by the Timiryazev Agricultural Academy, 1962)

(Izvestiya Timiryazevskoy Sel'skokhozyaystvennoy Akademii, Moscow, No. 2,
1963, pp 232-236)

VIRNOVSKIY, A.M.; TATEISHVILI, O.S.

Periodic operation of pumping wells. Neft. khoz. 35 no.8:40-46 Ag
'57. (MIRA 10:11)
(Oil well pumps)

TATEISHVILI, O.S.

IVANKOV, P.A., TATEISHVILI, O.S., ABRUKIN, A.L.

Electric model tests, control and automation of deep well pumps.

Report to be submitted for the Sixth World Petroleum Congress,
Frankfurt, 16-26 June 63

8/271/63/000/002/021/030
A060/A126AUTHORS: Tatel'baum, I. M., Yel'meshad, Ya. A.

TITLE: Electrical simulation of transient heat transmission and diffusion processes in an electrolytic vat

PERIODICAL: Referativnyy zhurnal, Avtomatika, Telemekhanika i Vychislitel'naya Tekhnika, no. 2, 1963, 16 - 17, abstract 2B84 (Dokl. 4-y Mezhevuz. konferentsii po primeneniyu fiz. i matem. modelirovaniya v razlichn. otraslyakh tekhn. Sb. 1, Moscow, 1962, 165 - 182)

TEXT: The authors consider the formulation of the problem of investigating various nonstationary processes connected with the perfusion of a compressible fluid in a porous medium, heat distribution in matter, and other phenomena describable by the diffusion equations. For this a method is proposed for simulating two-dimensional nonlinear diffusion equations by means of an electrolytic vat, so that the solution is obtained step by step in the form of a potential distribution on the vat surface, in which the thickness of the electrolyte layer is chosen proportional to the square root of the time interval, i.e., the space

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coordinates are represented continuously, and the time coordinate - discretely. The authors, in turn, consider the principles of simulating a linear homogeneous diffusion equation, the technical methods for realizing the proposed method, and the specific errors of the method, one of the causes of which is the finiteness of the time interval and the finite number of the electrodes for setting the potentials on the vat bottom. An example is cited of determining the temperature in an unbounded plate 30 cm thick evolving a constant quantity of heat, illustrating the precision of the solutions obtained. There are 4 figures, 2 tables and 3 references.

I. V.

[Abstracter's note: Complete translation]

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TATENKO, A. S.
Min Education Ukrainian SSR, Kiev State Pedagogical Inst. imeni A. M. Gor'kiy.

TATENKO, A. S.: "The development of popular education in Volyn' during the years of Soviet Power (1939-1954)." Min Education Ukrainian SSR, Kiev State Pedagogical Inst imeni A. M. Gor'kiy. Kiev, 1956.

(Dissertation for the Degree of Candidate in Pedagogical Sciences)

SO: Knizhnaya Letopis', No. 20, 1956